		·	64 - Z	
QUERY CONTROL FORM	RTIS USE ONLY			
Application No. 10/081.396	Prepared by	Lois Stone	Tracking Number	5871514
Examiner-GAU 1 2 28 74	Date	119/04	Week Date	12/8/03

No. of queries

and the second of the second o	في أن ومعدي سيد في تعوق ويشر الرابي الشراب المرابي المرابي	JACKET	
a. Serial No. b. Applicant(s) c. Continuing Data d. PCT e. Domestic Priority	f. Foreign Priority g. Disclaimer h. Microfiche Appendix i. Title j. Claims Allowed	k. Print Claim(s) I. Print Fig. m. Searched Column n. PTO-270/328 o. PTO-892	p. PTO-1449 q. PTOL-85b f. Abstract s. Sheets/Figs t. Other

Sagar and the sa	<u></u>					
SPECIFICATION	MESSAGE	<u> </u>		÷		and the same
a. Page Missing	Please	provide	à.	copy of	The chi	tact
b. Text Continuity		\			<u> </u>	. A grand of the second of the
c. Holes through Data	7		· · · · · · · · · · · · · · · · · · ·	<u> </u>		
d. Other Missing Text	***				·	
e. Illegible Text			VI		4.5.	
f. Duplicate Text						<u> </u>
g. Brief Description			3. 30			distribution of
h. Sequence Listing			. ,,,,,			
i. Appendix				4		
j. Amendments		<u></u>				Man Line
k. Other	**************************************				×	
						The state of the s
CLAIMS	7					A STATE OF THE STA
a. Claim(s) Missing					<u> </u>	A CONTRACTOR OF THE STATE OF TH
b. Improper Dependency					A Section of the Section	Thank you
c. Duplicate Numbers					in skin sulis	
d. Incorrect Numbering	<u> </u>				perdi di di bersa di salah	initials هُا
e. Index Disagrees	RESPONSE S	See Co	2V G	ttached.		
f. Punctuation		In e-d	an	nder PA	er m	a with the with the con-
g. Amendments	<u> </u>			100		
h. Bracketing	<u> </u>	<u></u>	<u> </u>			
i. Missing Text						
j. Duplicate Text	<u> </u>					
k. Other		<u> </u>	<u>····</u>	<u>a a an </u>	•	
the states are an end on the	- 10 10 1 1 10 10 10 10 10 10 10 10 10 10	A (4.4.)	A - 2 - 2		epiner (er land 10 a. 10 a. 10 a.	initials D
	A CONTRACT OF THE PARTY OF THE					

3825.001

ABSTRACT OF THE DISCLOSURE

An optical router integrated in an InP-based substrate bonded to a single thermo-electric cooler for packet-based networks utilizing wavelength-division multiplexing (WDM) on silica fibers. Input and output arrayed waveguide gratings (AWGs) respectively demultiplex and multiplex the WDM signals to and from multiple transmission fibers. Input and output wavelength converters are connected between the input and outputs AWGs and a switching AWG. The output converts may include a tunable laser and interferometer formed in the same substrate. The header information is preferably carried out-of-channel from the WDM data signals, either in the same fiber band or a different one. Photodetectors and laser diodes are formed in the same substrate. Fast RF electronics are formed in GaAs chips and slower electronics formed in a silicon chip are bonded to the InP wafer